

CLAIMS

1. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers by polymerization, characterized in that, after polymerization, a basic agent is added in an amount such that the pH of the aqueous dispersion is less than approximately 5.
2. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to Claim 1, characterized in that the basic agent is chosen from alkali metal phosphates or the mixtures of these with one another or with another basic agent.
3. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to either one of Claims 1 and 2, characterized in that the basic agent is trisodium phosphate.
4. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to Claim 1, characterized in that the basic agent is sodium hydroxide.
5. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to any one of Claims 1 to 4, characterized in that the pH of the aqueous dispersion is greater than approximately 2.
6. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to any one of Claims 1 to 5, characterized in that the halogenated vinyl polymers are chlorine-comprising polymers.
7. Process for the preparation of an aqueous dispersion of halogenated vinyl polymers according to any one of Claims 1 to 6, characterized in that the halogenated vinyl polymers are vinylidene chloride polymers.
8. Aqueous dispersion of halogenated vinyl polymers characterized in that the aqueous dispersion

comprises a basic agent in an amount such that the pH is less than approximately 5.

5 9. Aqueous dispersion of halogenated vinyl polymers according to Claim 8, characterized in that the basic agent is chosen from alkali metal phosphates or the mixtures of these with one another or with another basic agent.

10 10. Aqueous dispersion of halogenated vinyl polymers according to either one of Claims 8 and 9, characterized in that the basic agent is trisodium phosphate.

11. Aqueous dispersion of halogenated vinyl polymers according to Claim 8, characterized in that the basic agent is sodium hydroxide.

15 12. Aqueous dispersion of halogenated vinyl polymers according to any one of Claims 8 to 11, characterized in that the pH of the aqueous dispersion is greater than approximately 2.

20 13. Aqueous dispersion of halogenated vinyl polymers according to any one of Claims 8 to 12, characterized in that the dispersion additionally comprises a wax.

25 14. Aqueous dispersion of halogenated vinyl polymers according to any one of Claims 8 to 13, characterized in that the halogenated vinyl polymers are chlorine-comprising polymers.

30 15. Aqueous dispersion of halogenated vinyl polymers according to any one of Claims 8 to 14, characterized in that the halogenated vinyl polymers are vinylidene chloride polymers.

16. Use of an aqueous dispersion of halogenated vinyl polymers according to any one of Claims 8 to 15 for the coating of polymeric substrates made of paper or of regenerated cellulose.

35 17. Use of an aqueous dispersion of halogenated vinyl polymers according to Claim 16 in the production of pharmaceutical blister packs.